

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : MITSUBISHI RAYON CO LTD

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(72)Inventor : OHASHI HIDEHIKO

ODA MASAHIRO

KAMATA TAKEMOTO

(54) ELECTROMAGNETIC WAVE SHIELDING TAPE

(57)Abstract:

PURPOSE: To improve permeability and to obtain high shielding effect for both an electric field and a magnetic field by forming a high permeability amorphous alloy layer at least on one side face of a conductive metal foil tape by at least one layer electric plating method.

CONSTITUTION: A conductive metal foil 4 is dipped in a plating bath 6 including amorphous alloy thin film forming metal ions, a voltage is applied with the foil 4 as a cathode and with platinum, etc., as an anode 5 to electrolytically precipitate amorphous alloy in the foil 4. Thus, the surface of the foil 4 is covered with the amorphous alloy having high permeability by a plating method to obtain an electromagnetic wave shielding material having excellent electric field and magnetic field shielding effects.

